

ATTACHMENT 3

Revised Reverse Thrust Interlock Position Procedure

Throttle Test Procedure:

- 1) Install measuring fixture
 - a. Ensure that tool is flush and secure with the throttle stand
 - b. Ensure bolts are back-off enough to ensure that the throttle will make contact with the physical idle stop.
- 2) Ensure calipers are set to zero
 - a. Record caliper data
 - i. Serial Number: WN0004
 - ii. Calibration date: 03/04/05
 - iii. Calibration due date: 03/03/06
- 3) Record Aircraft Number
- 4) Set TFC range to 10NM and the speed brake to arm
- 5) Set **right throttle** against the physical idle stop
 - a. Wait 5 seconds for value to stabilize then set the TFC to 20NM and record resolver angle
 - b. Set TFC range back to 10NM
 - c. Move **right throttle** forward then back against the physical idle stop
 - d. Wait 5 seconds for value to stabilize then set the TFC to 20NM and record resolver angle
 - e. Set TFC range back to 10NM
 - f. Move **right throttle** forward then back against the physical idle stop
 - g. Wait 5 seconds for value to stabilize then set the TFC to 20NM and record resolver angle
 - h. Set TFC range back to 10NM
- 6) Ensure the right throttle is against the physical idle stop
- 7) Set the adjustment screw against the back of the **right throttle**
 - a. Ensure the throttle is held against the physical stop idle stop – This may require physically holding the throttle against the stop.
 - b. Take measurements (3x) from front face of measuring fixture to the top of the adjustment screw head
 - i. Ensure that the calipers are flush with the front face of the measuring fixture and top of the adjustment screw
 - ii. Once set screw is flush with throttle, move right throttle forward out of the way to facilitate the measurement
 - iii. Record measurements

Measurement in inches
1.
2.

3.
Avg:

- c. Take measurements (3x) from aft face of measuring fixture to the bottom of the adjustment screw head
 - i. Ensure that the calipers are flush with the aft face of the measuring fixture and point of the calipers is under the flat spot on the adjustment screw not in the radius
 - ii. Record measurements

Measurement in inches
1.
2.
3.
Avg:

- 8) Ensure the right throttle is against the adjustment screw
- 9) Move the **right throttle** forward using the adjustment screw continuously checking if the right thrust reverser will engage. Continue process until the reversers will not engage.

- a. Wait 5 seconds for value to stabilize then set the TFC to 40NM and record resolver angle

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- b. Set TFC range back to 10NM
- c. Move right throttle forward then back against the physical stop
- d. Wait 5 seconds for value to stabilize then set the TFC to 40NM and record resolver angle

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- e. Set TFC range back to 10NM
- f. Move right throttle forward then back against the physical stop
- g. Wait 5 seconds for value to stabilize then set the TFC to 40NM and record resolver angle

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- h. Set TFC range back to 10NM

10) Move the **right throttle** forward

- a. Take measurements (3x) from front face of measuring fixture to the top of the adjustment screw head
 - i. Ensure that the calipers are flush with the front face of the measuring fixture and top of the adjustment screw
 - ii. Record measurements

Measurement in inches
1.
2.
3.
Avg:

- b. Take measurements (3x) from aft face of measuring fixture to the bottom of the adjustment screw head
 - i. Ensure that the calipers are flush with the aft face of the measuring fixture and point of the calipers is under the flat spot on the adjustment screw not in the radius
 - ii. Record measurements

Measurement in inches
1.
2.
3.
Avg:

11) Right Throttle Test Complete

12) Set TFC range to 80NM

13) Set **left throttle** against the physical idle stop

- a. Wait 5 seconds for value to stabilize then set the TFC to 160NM and record resolver angle

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- b. Set TFC range back to 80NM
- c. Move **left throttle** forward then back against the physical idle stop
- d. Wait 5 seconds for value to stabilize then set the TFC to 160NM and record resolver angle

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- e. Set TFC range back to 80NM
- f. Move **left throttle** forward then back against the physical idle stop
- g. Wait 5 seconds for value to stabilize then set the TFC to 160NM and record resolver angle

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- h. Set TFC range back to 80NM
- i. Ensure left throttle is against the physical idle stop

14) Set the adjustment screw against the back of the **left throttle**

- a. Ensure the throttle is held against the physical stop idle stop – This may require physically holding the throttle against the stop.
- b. Take measurements (3x) from front face of measuring fixture to the top of the adjustment screw head
 - i. Ensure that the calipers are flush with the front face of the measuring fixture and top of the adjustment screw
 - ii. Once set screw is flush with throttle, move left throttle forward out of the way to facilitate the measurement
 - iii. Record measurements

Measurement in inches
1.
2.

3.
Avg:

- c. Take measurements (3x) from aft face of measuring fixture to the bottom of the adjustment screw head
 - i. Ensure that the calipers are flush with the aft face of the measuring fixture and point of the calipers is under the flat spot on the adjustment screw not in the radius
 - ii. Record measurements

Measurement in inches
1.
2.
3.
Avg:

- 15) Ensure left throttle is against the physical stop
- 16) Move the **left throttle** forward using the adjustment screw continuously checking if the left thrust reverser will engage. Continue process until the reversers will not engage.
 - a. Wait 5 seconds for value to stabilize then set the TFC to 320NM and record resolver angle
 - b. Set TFC range back to 80NM
 - c. Move left throttle forward then back against the physical stop
 - d. Wait 5 seconds for value to stabilize then set the TFC to 320NM and record resolver angle
 - e. Set TFC range back to 80NM
 - f. Move left throttle forward then back against the physical stop
 - g. Wait 5 seconds for value to stabilize then set the TFC to 320NM and record resolver angle
 - h. Set TFC range back to 80NM

- 17) Move the **left throttle** forward
 - a. Take measurements (3x) from front face of measuring fixture to the top of the adjustment screw head
 - i. Ensure that the calipers are flush with the front face of the measuring fixture and top of the adjustment screw
 - ii. Record measurements

Measurement in inches
1.
2.
3.
Avg:

- b. Take measurements (3x) from aft face of measuring fixture to the bottom of the adjustment screw head
 - i. Ensure that the calipers are flush with the aft face of the measuring fixture and point of the calipers is under the flat spot on the adjustment screw not in the radius
 - ii. Record measurements

Measurement in inches
1.
2.
3.
Avg:

18) Test Complete